

Project Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Date: \_\_\_\_\_



## 4" Tunable White Gear Adjustable Downlights

IC Rated, up to 1250 lumens. Tunable White 1800K-4000K and 2700K-6500K ranges. Dual Channel 0-10V and DALI-2 control options. New Construction, Round, Square, Flanged and Flangeless.

### 4" ELIUM TUNABLE WHITE TRIMS



Round Bevel



Round Pinhole



Round Wall Wash



Square Bevel



Square Pinhole



Square Wall Wash



Flangeless Round  
Bevel



Flangeless Round  
Pinhole



Flangeless Round  
Wall Wash



Flangeless Square  
Bevel



Flangeless Square  
Pinhole



Flangeless Square  
Wall Wash

#### FEATURES

- 3 Part System: Frame, Module, & Trim
- UL Listed for direct contact with insulation
- Title 24 JA8-2025-E
- Lockable gear adjustment up to 40° center axis tilt and 359° rotation, adjusted with 3/32" Allen Key from below the ceiling
- Patented LED Module with in field changeable optics
- Tunable Control Options:
  - Dual Channel 0-10V dimming to 1%
  - Dali 2 dimming to 0.1%
- Compatible with ceilings up to 2" thick (2" thick ceilings may limit tilt)
- Flanged and flangeless options
- Precision single piece die-cast trims
- 50,000 hours lifespan L70
- Compatible with sloped ceilings from 2/12 - 8/12

#### SPECIFICATIONS

|             |                                                              |
|-------------|--------------------------------------------------------------|
| WATTAGE:    | 11W – 19W                                                    |
| LUMENS:     | 750 lm – 1250 lm                                             |
| VOLTAGE:    | 120-277V                                                     |
| COLOR TEMP: | <b>Tunable White Dimming:</b><br>1800K-4000K and 2700K-6500K |
| DIMMABLE:   | Dual Channel 0-10V Dimming (1%)<br>Dali 2 Dimming (0.1%)     |
| BEAM ANGLE: | 24°, 36°, 50°                                                |
| UL LISTED:  | Damp & Wet location options                                  |
| CRI:        | 90+                                                          |

## 4" ELIUM™ 3-PART SYSTEM: HOUSING, MODULE & TRIM



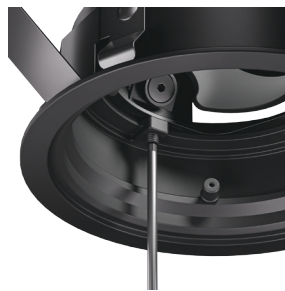
### LOCKABLE HOT AIMING GEAR ADJUSTMENT FROM BELOW

Adjustability



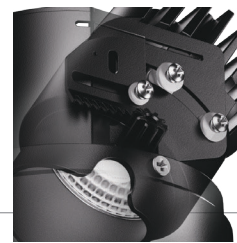
Hot Aiming from below  
the ceiling using  
a  $\frac{3}{32}$ " Allen Key

Rotation Lock



359° Lockable Rotation  
with  $\frac{3}{32}$ " Allen Key\*

Lockable Gear Adjustment



Easy access for quick  
and effortless adjustments  
from below the ceiling



\*  $\frac{3}{32}$ " Allen Key (**LU332ALLEN**) ordered separately

| 1. Specify housing part number |              |                  | HOUSING   |                                     |                         |                                                      | Example: LU45RDTW07ICA                |  |
|--------------------------------|--------------|------------------|-----------|-------------------------------------|-------------------------|------------------------------------------------------|---------------------------------------|--|
| ELIUM                          | SIZE         | STYLE            | DRIVER    |                                     | LUMENS/WATTAGE          | ICA                                                  | OPTIONAL EM                           |  |
| <b>LU</b>                      |              |                  |           |                                     |                         |                                                      |                                       |  |
| <b>LU</b>                      | <b>45</b> 4" | <b>RD</b> Round  | <b>TW</b> | Dual Channel 0-10V (1%)             | <b>07</b> 750 lm (11W)  | <b>ICA</b> IC Airtight                               | <b>(Blank)</b> No EM                  |  |
|                                |              | <b>SQ</b> Square | <b>BT</b> | eldoLED DALI-2 Tunable White (0.1%) | <b>10</b> 1000 lm (14W) | <b>AJA</b> ICA for R60 Insulation and Chicago Plenum | <b>E5</b> 25W EM, 90 min <sup>1</sup> |  |
|                                |              |                  |           |                                     | <b>12</b> 1250 lm (19W) |                                                      | <b>E7</b> 15W EM, 90 min <sup>2</sup> |  |

<sup>1</sup> Access from above required

<sup>2</sup> Internal EM accessible from below

| 2. Specify module part number |                                           | MODULE            |                             | Example: LU1962TWD-F |  |
|-------------------------------|-------------------------------------------|-------------------|-----------------------------|----------------------|--|
| ELIUM                         | TYPE                                      | COLOR TEMPERATURE |                             | BEAM                 |  |
| <b>LU</b>                     |                                           |                   |                             |                      |  |
| <b>LU</b>                     | <b>19</b> Bridgelux Tunable White LED COB | <b>41TWD</b>      | 1800K - 4000K Tunable White | <b>-N</b> 24°        |  |
|                               |                                           | <b>62TWD</b>      | 2700K - 6500K Tunable White | <b>-F</b> 36°        |  |
|                               |                                           |                   |                             | <b>-W</b> 50°        |  |

| SECONDARY MODULE OPTICS* |              |             |              |             |
|--------------------------|--------------|-------------|--------------|-------------|
| L45                      | L57          | L51         | L49          | L47         |
| Black Louver             | White Louver | CCT Reducer | Frosted Lens | Solite Lens |

\*Module Fits up to 4 secondary optics

| 3. Specify trim part number |              |                  | TRIM                             |                                     |                                             |  |                                                | Example: LU45RD10T72W |  |
|-----------------------------|--------------|------------------|----------------------------------|-------------------------------------|---------------------------------------------|--|------------------------------------------------|-----------------------|--|
| ELIUM                       | SIZE         | SHAPE            | STYLE                            | TRIM                                | LENS                                        |  | FINISH                                         |                       |  |
| <b>LU</b>                   |              |                  |                                  |                                     |                                             |  |                                                |                       |  |
| <b>LU</b>                   | <b>45</b> 4" | <b>RD</b> Round  | <b>10</b> Bevel                  | <b>T</b> Flanged <sup>2</sup>       | <b>(Blank)</b> Open, No Lens <sup>5,7</sup> |  | <b>W</b> All White <sup>9</sup>                |                       |  |
|                             |              | <b>SQ</b> Square | <b>27</b> Pinhole                | <b>LS</b> Flangeless <sup>3,4</sup> | <b>72</b> Clear Lens <sup>6,7</sup>         |  | <b>BB</b> All Black                            |                       |  |
|                             |              |                  | <b>33</b> Wall Wash <sup>1</sup> |                                     | <b>83</b> Solite Lens <sup>6,7</sup>        |  | <b>BZ</b> All Bronze                           |                       |  |
|                             |              |                  |                                  |                                     | <b>94</b> Linear Lens <sup>6,8</sup>        |  | <b>CC</b> Custom Color                         |                       |  |
|                             |              |                  |                                  |                                     | <b>61</b> Sauna/Steam Lens <sup>11</sup>    |  | <b>HH</b> All Haze                             |                       |  |
|                             |              |                  |                                  |                                     |                                             |  | <b>HW</b> Haze with White Flange <sup>10</sup> |                       |  |

<sup>1</sup> Requires Linear Lens (94 lens option)

<sup>2</sup> For ceiling thickness up to 2"

<sup>3</sup> Works with all ceiling thicknesses (2"+ thick ceilings may limit adjustment). Millwork adapter adjusts 7/16" - 7/8" for wood ceiling layer

<sup>4</sup> Requires Spackle Frame or Millwork Adapter ordered separately

<sup>5</sup> Damp Location

<sup>6</sup> Wet Location

<sup>7</sup> Not available for Wall Wash Trim

<sup>8</sup> For Wall Wash trim only

<sup>9</sup> White trims are field paintable

<sup>10</sup> For Flanged Bevel and Wall Wash only

<sup>11</sup> Sauna & Steam Room Lensed Trim. Only compatible up to 750 lm (11W) housings.

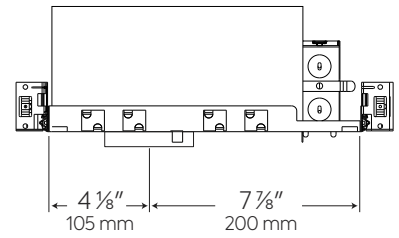
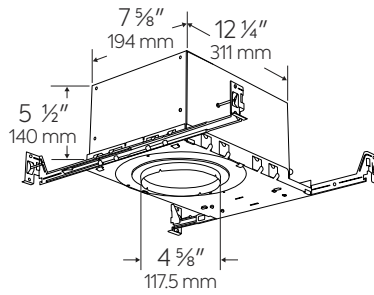
| Accessories                                    |                                                |                   |
|------------------------------------------------|------------------------------------------------|-------------------|
| SPACKLE FRAME FOR FLANGELESS                   | MILLWORK ADAPTER FOR FLANGELESS                | ALLEN KEY         |
| Round: <b>LU45RDSF</b> Square: <b>LU45SQSF</b> | Round: <b>LU45RDWC</b> Square: <b>LU45SQWC</b> | <b>LU332ALLEN</b> |

## PRODUCTS

### Housings

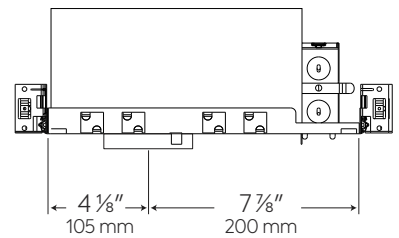
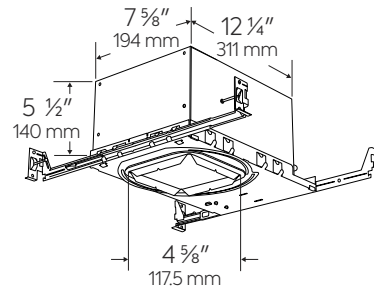


4" ROUND



4" SQUARE

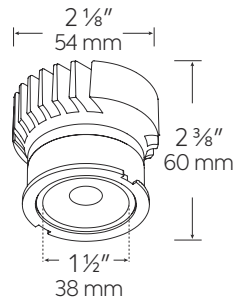
45° bidirectional collar rotation  
for square alignment



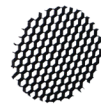
### Module



ELIUM Module



### Accessories



Black Louver  
L45



White Louver  
L57



CCT Reducer  
L51



Frosted Lens  
L49



Lenses  
LUP15D (15°)  
LUP24D (24°)  
LUP36D (36°)  
LUP50D (50°)

## Trims



Round Bevel



White

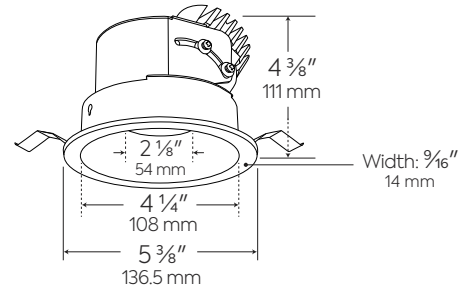
Bronze

Haze/White  
Flange



Black

All Haze



Round Pinhole



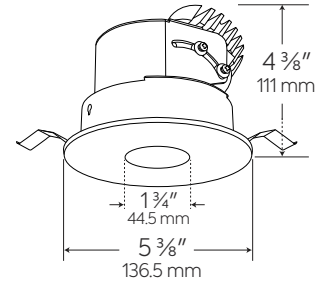
White

Bronze



Black

All Haze



Round Wall Wash



White

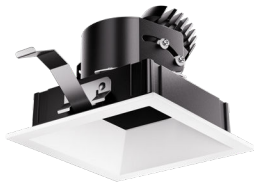
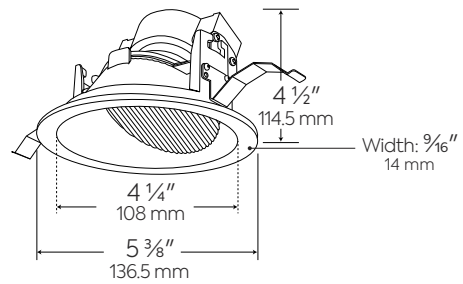
Bronze

Haze/White  
Flange

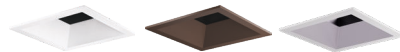


Black

All Haze



Square Bevel



White

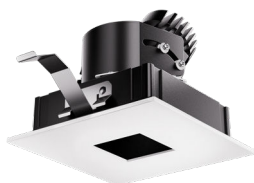
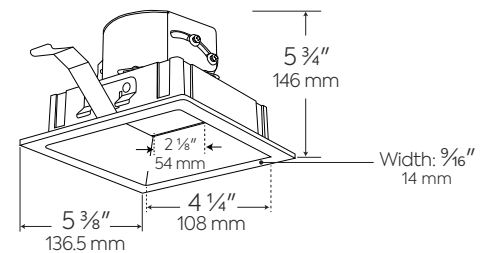
Bronze

Haze/White  
Flange



Black

All Haze

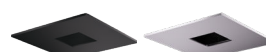


Square Pinhole



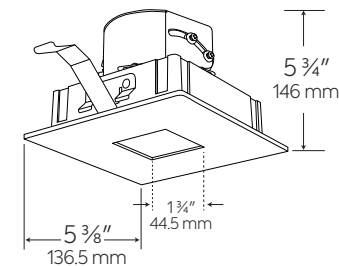
White

Bronze



Black

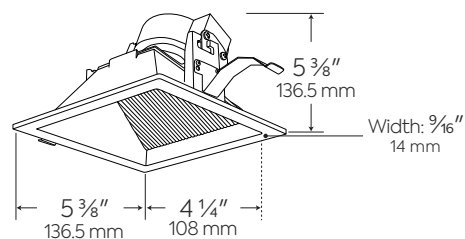
All Haze



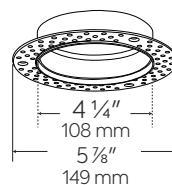
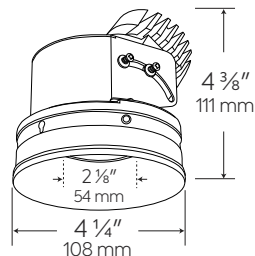
## Trims



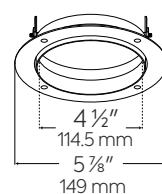
Square Wall Wash



Flangeless Round Bevel



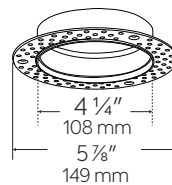
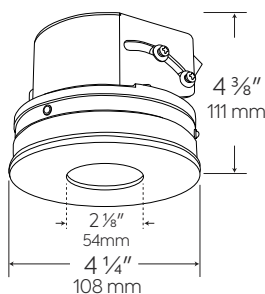
Spackle Frame  
Ordered Separately



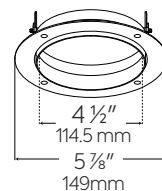
Millwork Adapter  
(Ordered Separately)  
Adjusts 3/4" (11mm) - 7/8" (22mm)  
for wood layer.



Flangeless Round Pinhole



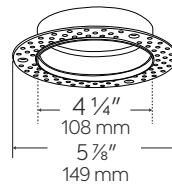
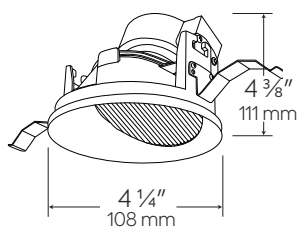
Spackle Frame  
Ordered Separately



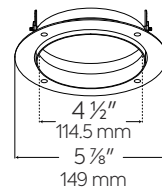
Millwork Adapter  
(Ordered Separately)  
Adjusts 3/4" (11mm) - 7/8" (22mm)  
for wood layer.



Flangeless Round Wall Wash



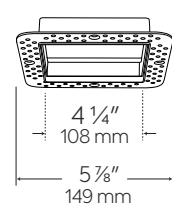
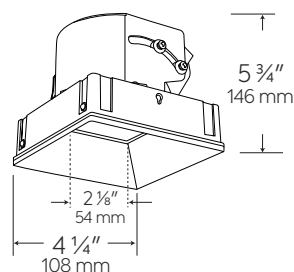
Spackle Frame  
Ordered Separately



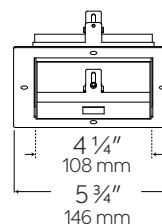
Millwork Adapter  
(Ordered Separately)  
Adjusts 3/4" (11mm) - 7/8" (22mm)  
for wood layer.



Flangeless Square Bevel



Spackle Frame  
Ordered Separately

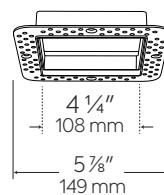
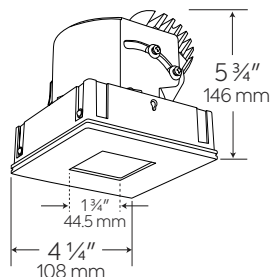


Millwork Adapter  
(Ordered Separately)  
Adjusts 3/4" (11mm) - 7/8" (22mm)  
for wood layer.

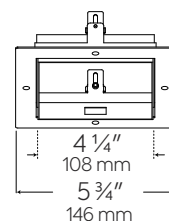
## Trims



Flangeless Square Pinhole



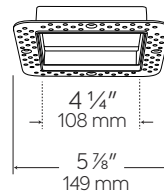
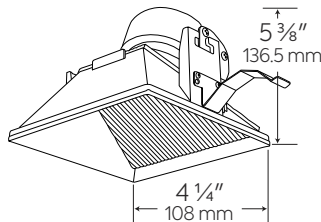
Spackle Frame  
Ordered Separately



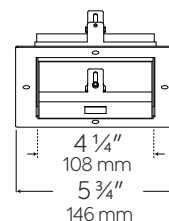
Millwork Adapter  
(Ordered Separately)  
Adjusts 3/8" (11mm) - 3/4" (22mm)  
for wood layer.



Flangeless Square  
Wall Wash



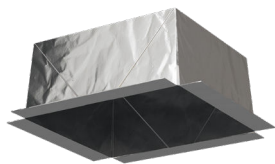
Spackle Frame  
Ordered Separately



Millwork Adapter  
(Ordered Separately)  
Adjusts 3/8" (11mm) - 3/4" (22mm)  
for wood layer.

## Fire Rated Products and Accessories

### 1-HOUR FIRE ENCLOSURE FOR RECESSED FIXTURES



**FIREENCL**  
**Standard** - 9" H x 20 3/8" L x 14 3/8" W,  
(228.5" mm H x 517.5" mm L x 365" mm)

**FIREENCL-S**  
**Shallow (-S)** - 7 1/4" H x 16" L x 14 3/8" W  
(184" mm H x 506.5" mm L x 365" mm W)

Provides fire barrier around recessed lights.  
ETL approved 1-hour fire rating. Meets UL  
263, ASTM E119 Specifications. To be used  
with Mica Tape to seal the power feeding  
point. (FIRETAPE sold separately)

### MICA ADHESIVE FIRE TAPE FOR FIRE ENCLOSURE



**FIRETAPE** 3/4" W x 16" L,  
(19 mm W x 405.6 mm L)

Fire proof mica adhesive tape helps seal the  
power feeding point on Fire Enclosure. Offers  
outstanding high temperature and flame  
resistance, and provides excellent electrical  
insulation.

### 2-HOUR FIRE COVER FOR RECESSED FIXTURES



**FIRECVR**  
9 3/4" H x 17" O.D. x 13" I.D.  
(501.5 mm H x 432 mm O.D. x 330 mm I.D. )

Made of heat activated intumescent  
material. UL approved for most ceiling types:  
sheetrock drywall, gypsum & acoustical tiles. UL  
Rated enclosure stops flame spread and heat  
transmission for up to 2 hours.

## TECHNICAL SPECIFICATIONS

The ELIUM Downlight is a modular, high-performance recessed lighting system designed for versatility and ease of installation. The system consists of three key components: Housing, Module, and Trim Mechanism. The module securely twists onto the trim mechanism and connects to the housing via a quick-connect system. Both the module and driver are fully serviceable from below the ceiling.

### HOUSING:

- Designed for ceiling plenums with 2 x 6 joists or taller.
- High-strength hanger bars can be easily nailed to wood joists or slid onto T-Grid drop ceilings. Adjustable from 7.5" to 24" Wide.
- Universal housing works with flanged, flangeless & millwork applications.
- Accessible driver mounted on the frame for easy servicing.
- Rotatable square collar ensures precise square alignment.
- Knockouts for easy wiring: Seven 1/2" trade-size conduit knockouts and 4 EZ-Romex cable traps for easy wiring.

### EMERGENCY OPTIONS:

- 90-minute emergency battery backup with remote test switch.
- 15W emergency backup accessible from below the ceiling.
- 25W emergency backup requires access from above.

### OPTICS:

- Precision-engineered PIR optics available in 24°, 36° and 50° beam spreads.
- Field-changeable secondary lenses available—no accessory holder required. Module can hold up to 4 secondary lenses.

### LED TECHNOLOGY:

- 90+ CRI for exceptionally accurate color rendering.
- 50,000-hour L70 lifespan based on LM80 test standards.
- Advanced thermal management with integrated heat sink.
- Instant-on to full brightness with no visible LED pixilation.

### TUNABLE WHITE:

- Tunable white allows for independent control of color intensity and lumen intensity. Tunable range is based on ELIUM Tunable Module specified.

### ADJUSTABILITY:

- Adjustable from below the ceiling while keeping the light centered with the trim opening
- 40° tilt adjustment, set using a 3/32" Allen key with an Automatic locking mechanism ensures secure positioning.
- Lockable 359° rotation for precise aiming.

### TRIM:

- Diecast aluminum powder coated trim
- White finish is field paintable.

### CONTROL SYSTEMS:

- ELIUM Tunable white can be controlled by either DUAL CHANNEL 0-10V System or a DALI-2 System.

#### MODULE - LUMEN MULTIPLIER

| CCT   | MULTIPLIER | BEAM ANGLE | MULTIPLIER |
|-------|------------|------------|------------|
| 6500K | 1.20       | 24°        | 0.89       |
| 2700K | 1          | 36°        | 1          |
| 4000K | 1.19       | 50°        | 1.065      |
| 2700K | 1          |            |            |
| 1800K | 0.76       |            |            |

## DIMMER COMPATIBILITY CHART

### FOR REFERENCE ONLY

Testing conducted by ELIUM Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

#### 0-10V Type Dimmers - 120/277V for Tunable White LU37RD Series, LU37SQ Series, LU45RD Series & LU45SQ Series

| MANUFACTURER | PRODUCT                                                             | PART NUMBER | DIMMED LIGHT OUTPUT RANGE |
|--------------|---------------------------------------------------------------------|-------------|---------------------------|
| Lutron       | Lutron 120/277V AC, 0-10V LED/CFL Ballast, Single Pole/3-Way        | NFTV        | 1% - 100%                 |
|              | 120/277V AC, 0-10V, Single Pole/3-Way, Commercial/Residential       | DVSTV       | 1% - 100%                 |
|              | 120/277V AC 50/60 Hz, 0-10V LED/CFL Ballast, Single Pole/3-Way      | DVTV        | 1% - 100%                 |
|              | Leviton 120/277V AC 60 Hz, 0-10V LED/CFL Ballast, Single Pole/3-Way | IP710-DL    | 1% - 100%                 |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.

